PROJECT DESCRIPTION

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conj	unc	; † i	on
and run			

I. General

ect involves the construction of a new traffic control signal section street lighting and traffic signal interconnect in on with geometric improvements at the intersection of MD 5(Branch Ave)
T.A. Entrance in Prince George's County, Maryland. MD 5 is assumed to orth / south direction.

II. Intersection Operation

This intersection shall operate in a NEMA six (6)phase semiactuated mode with the northbound and southbound left turns operating in an exclusive/permitted phase. Eastbound/westbound W.M.A.T.A. Entrance shall operate concurrently.

An eight phase fully—actuated controller with a system package and four (4) four channel rack mounted loop detector amplifiers house in a base mounted cabinet shall be installed at this intersection.

III. Special Notes

1.) Maintenance of traffic will be handled by the contractor utilizing the following standard plates for traffic control: 104.00 - 104.00-30, 104.32-02, 104.33-02, 104.38-02, 104.39-02, 104.40-02, 104.41-02, 104.45-02, 104.48-02.

2.)

)	The following are SHA Distric	t 3 Contact persons:
	Mr. Richard L. Daff, Sr. Chief, Traffic Operations Division (410) 787-7630	Mr. Charles Watkins District Engineer (301) 513-7311
	Mr. Majib Shakib Asst. District Engineer – Traffic (301) 513–7358	Mr. Randy Brown Asst. District Engineer - Maintenance (301) 513-7304
	Mr. Augustine Rebish District Engineer- Utility (301) 513-7350	

3). The contractor shall be responsible for routing all cables into the base of the controller cabinet and properly tag / label each cable. Maryland SHA forces shall be responsible for internal wiring.

EQUIPMENT LIST

A. Equipment to be supplied by the Administration

Item No.	Quantity	Units	Specifica Sect	ion on Desc	cription
	6	EA	814	12 in. 1 way 3 (R,Y,G) signal mast arm mount	l head -
	2	EA	814	12 in. 1 way 5 (R,Y,G,YA,GA) - mast arm mou	signal head
	2	EA	814	Combination 8 1 way 5 section R,Y,G /12 in- signal head mast arm mount	on (8 in. YA,GA)
	1	EA	816	Eight-phase (tactuated) cont system package cabinet) - bas	troller with e and
	2	EA	×××	four channel r loop detector amplifier(dela	
	50	SF	813	Sheet aluminur	m signs consisting of:
			2		36 in. x 42 t arm mount.
			2	EA D3-2 (var mast arm	x 16 in.) mount
			1	EA R3-5 (30	in. x 36 in.)

B. Equipment to be furnished and/or installed by the Contractor.

I	tem No.	Quantity	Units	Specifica Sect		Description
		12	CY	205	Test pit	excavation
		165	LF	555		ite reflective stic pavement
		9	CY	801		nd install for signal n.
		3	EA	804		and install d — 3/4 in. x 10 ft.
		310	LF	805		and install 3 in. 80 rigid PVC slotted.
		20	LF	805	schedule	nd install 3 in. 80 rigid PVC trenched.
	2	40	LF	805		nd install 2 in. 30 rigid PVC Trenched.
		15	LF		liquid tic non-metall	nd install 1 in. ght flexible ic conduit for vire sleeve.
		2	EΑ	806	Watt high	nd install 250 pressure sodium uminaire with
		1	EΑ	807	Furnish ar control ar equipment.	nd distribution
		450	LF	810		nd install No. 6 ard bare copper e.
		15	LF	810	Furnish ar electrical conductor THHN/THWN	

EQUIPMENT LIST (CONT.)

B. Equipment to be furnished and/or installed by the Contractor.

Item No.	Quantity	Units	Specification Section	
	700	LF	810	Furnish and install electrical cable — 2 conductor (Aluminum shielded).
	55	LF	810	Furnish and install electrical cable – 5 conductor (No. 14 AWG).
	1530	LF	810	Furnish and install electrical cable - 7 conductor (No. 14 AWG).
	1800	LF	810	Furnish and install loop wire encased in flexible tubing (No. 14 AWG).
	280	LF	810	Furnish and install 2 - conductor - Tray cable (No. 12 AWG).
	6	EA	811	Furnish and install electrical handhole.
	50	SF	813	Install overhead sign for signals.
	10	EΑ	814	Install signal head — any type
	660	LF	815	Furnish and install saw cut for signal.
	1	EA	816	Install eight phase (fully actuated) controller and cabinet – base mount.
	1	EA	829	Furnish and install 27 ft steel pole with twin 60 and 50 ft. mast arms (Note: Four - 2 in. x 90 in. anchor bolts.
	2	EA	829	Furnish and install 27 ft steel pole with a 50 ft. mast arm (Note: Four - 2 in. x 90 in. anchor bolts.)
	2	EA	818	Furnish and install 20 ft lighting arm on signal structure

	REVISIONS	APPROVALS	MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
		ASST. DIVISION CHIEF, TEDD	Office of Traffic & Safety
			TRAFFIC ENGINEERING DESIGN DIVISION
		ASST. DISTRICT ENGINEER, TRAFFIC	MD 5 (BRANCH AVE) @ WMATA ENTRANCE
		ACCT. DISTRICT ENGINEER, TRAITIC	GENERAL INFORMATION SHEET
•			LOGMILE #: SHEET 2 OF 2 DATE 7 / / 98
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	DRAWN BY: R. CICCHINI F.A.P. NO. PLAN
			CHECK BY: D. PETERS S.H.A. NO. P-388-000-385 SHEET NO.: SHEET NO.
CONSULTING ENGINEERS COLUMBIA, MARYLAND		DIRECTOR, OFFICE OF TRAFFIC & SAFETY	SCALE: B-31-95 1"=20' COUNTY PRINCE GEORGE'S 112 OF 157